

Experiment Number: A29479

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Metal working fluids (Syntilo 1023)

CAS Number: SYNTILO1023

Date Report Requested: 09/16/2018

Time Report Requested: 15:00:38

NTP Study Number:

A29479

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	59 ± 7.5	63 ± 4.4	47 ± 0.6	69 ± 6.1
250.0		80 ± 2.6		
500.0	54 ± 5.5	79 ± 10.3	55 ± 6.7	
1000.0	45 ± 3.9	70 ± 1.5	51 ± 5.0	
2000.0		50 ± 2.5		62 ± 1.7
4000.0	39 ± 6.1	43 ± 9.5	62 ± 3.1	54 ± 6.4
6000.0				62 ± 4.1
7000.0	37 ± 6.9		48 ± 4.3	
8000.0				60 ± 3.6
10000.0	13 ± 1.2		48 ± 4.5	57 ± 6.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	354 ± 13.0	495 ± 6.7		
Positive Control ³			598 ± 18.6	560 ± 48.2

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	25 ± 3.8	16 ± 3.5	27 ± 7.0	20 ± 1.2
250.0		15 ± 0.9		
500.0	16 ± 1.9	7 ± 1.2	31 ± 2.3	
1000.0	16 ± 1.7	16 ± 2.5	29 ± 1.5	
2000.0		9 ± 2.5		17 ± 2.2
4000.0	9 ± 4.2 ^s	5 ± 2.2	36 ± 1.5	14 ± 0.3
6000.0				20 ± 2.9
7000.0	Toxic		33 ± 2.1	
8000.0				16 ± 0.6
10000.0	Toxic		34 ± 1.5	16 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			947 ± 41.6	657 ± 18.6
Positive Control ⁴	418 ± 17.8			
Positive Control ⁵		323 ± 11.7		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	201 ± 6.8	202 ± 15.2	105 ± 11.3	190 ± 6.7	219 ± 10.1
250.0		222 ± 5.8	135 ± 6.7		
500.0	141 ± 6.1	224 ± 20.4	171 ± 4.4	209 ± 6.9	
1000.0	224 ± 25.7	197 ± 17.8	111 ± 3.5	206 ± 10.4	
2000.0		178 ± 11.9	124 ± 3.8		273 ± 10.3
4000.0	137 ± 13.1	218 ± 21.9	159 ± 4.4	196 ± 41.5	271 ± 29.9
6000.0					223 ± 7.9
7000.0	151 ± 15.4			278 ± 12.9	
8000.0					290 ± 7.1
10000.0	106 ± 11.6			229 ± 31.5	284 ± 6.0
Trial Summary	Negative	No Call	Negative	Negative	Negative
Positive Control ⁶				694 ± 64.8	732 ± 14.4
Positive Control ⁷	731 ± 27.5	261 ± 261.0	952 ± 17.7		

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

- 1: Vehicle Control: Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Nitrofluorene
- 5: 5.0 ug/Plate Sodium Azide
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 4000.0 ug/Plate Methyl Methane Sulfonate
- s: Slight Toxicity

** END OF REPORT **